

1 Day Introductory Course on **FINANCIAL MODELLING MADE EASY** Methodology in conducting Feasibility Studies

- **30 March 2010**
UTM International Campus, Kuala Lumpur **or**
- **28 April 2010**
UTM Johor **or**
- **29 June 2010**
UTM International Campus, Kuala Lumpur



Case Studies

This 1 day seminar will cover the various applications of financial modelling from determining the financial viability, namely determining the IRR and payback period, to using the financial model in CapEx and OpEx negotiation and location and market positioning. It will refresh the financial ratios relevant in determining the health of the project. Case studies will be selected from a stable of Property Development Models (phased development and leased property), Biomass Power Plant, and Biodiesel Plant etc...

Course Introduction

This Introductory course introduces the various applications of financial modelling from determining the yield (IRR) of projects to determining the market positioning and application of technology. It is also used as a "negotiating" tool and construction and O&M budget. The methodology of this financial modelling is called Engineering Finance.

Engineering Finance could be described as the "bridge" that bridges the gap between "engineering" and "finance" - a branch of engineering adopting financial modelling techniques to deliver a project design/plan that is cost-efficient and financially viable.

Course Objectives

The aim of this 1-day introduction level course is, therefore, to inculcate awareness in tools & techniques in determining the financial viability. These can be used in project planning, control of cost (construction budget) and operation and management (post construction) in their own organization. The Techno-Financial Model which amalgamate the "Financial" and "Technical" (or non-financial critical parameters such as marketing and legal), enables an integrated and seamless computation of the Project IRR, Equity IRR, payback period and Net Present Value (NPV). This Engineering Finance methodology could also be used to evaluate the impact of "Technology" and "Product" changes on the IRR, i.e. financial viability. It can also be used to identify the project's Critical Components that effect viability. Participants will be presented with various Techno-Financial Models ranging from a simple Airport Limousine service to a more complex Bio-diesel Plant. This financial modelling methodologies is applicable in all aspect for project development let it be property (hotel, commercial development or residential), power plant, coal mining or palm oil mills. These examples are based on actual projects conducted regionally in Malaysia, Indonesia and India.

course Contents

- Unit 1 : Introduction to Engineering Finance and Definition and Uses of Techno-Financial Model
- Unit 3 : Implementation Structure
- Unit 4 : Project Management
- Unit 5 : Project Financing
- Unit 6 : Techno-Financial Model Structure Case Study
- Unit 8 : Group discussion and Conclusion

Methodology

The contents have been designed on a mix of classroom financial know-how from accountants to engineers and HR managers to Administrators. It is an application of learning gains to real case studies by the participants. This is a seminar type module.

Who Should Attend

Engineers, Accountants, Bankers, Lecturers, Project Managers, Project Developers etc.

Property Developers especially from the real estate industry may find this short course beneficial.

Assoc. Prof. Ir. Dr. MAULUD HJ LATIF

Assoc. Prof. Dr. Ir. Maulud Hj Latif obtained his Doctor of Engineering degree (EngD) in Engineering Finance from Universiti Teknologi Malaysia. He was the creator of the Techno-Financial Model®, the basic tool of Engineering Finance, that enables the determination of the long-term financial viability of engineering projects. He also holds an MBA Finance from the University of Queensland Business School, a B. Sc. (Hons) Mining Engineering from the University of Wales and a Diploma from Universiti Teknologi Malaysia. In addition, he holds the Dredgemaster Certificate of Competency and member of Board of Professional Engineers, Institute of Engineers and Institute of Mineral Engineers.



He started his career in Malaysia Mining Corporation in 1977 and have extensive experience in project feasibility studies (technical, marketing and finance) and mine management. Between 1984 and 1992, he worked with various reputable organizations including Permodalan Nasional Berhad and Ministry of Finance. He has acquired vast corporate experience not only in project financing but also corporate restructuring and turnaround. He was also involved in privatization projects.

Since 1992 he was actively involved in project feasibility studies on various sectors like power generation, renewable energy, coal mining and property development projects in Australia, Indonesia, India and Malaysia. He was involved in both technical and financial engineering of projects from inception to construction and operation. His latest consultancy work, inter alia, include re-engineering of a coal mining company in Indonesia for acquisition and listing on the Australian Stock Exchange.

Assoc. Prof. Dr. Ir. Maulud Hj Latif currently heads the Dept of Renewable Energy Policy and Financial Modelling Studies at the Institute of Hydrogen Economics, Universiti Teknologi Malaysia.

(Fee is inclusive of lunch, refreshments and course materials. Accommodation is not included)

Local Participant

RM1,000 single participant

RM900 for 2 or more participants from the same company

International Participant

USD 650

Method of payment

Please kindly complete and return the reply form together with

By cheque / Bank draft which are made payable to

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Cancellation & substitutions

A full refund will be promptly made for all written cancellations 3 weeks before the course commenced. 50% refund will be made for written cancellations received 7 days before the meeting. A substitute may be made at any time.

Note

a) The organiser has the right to make any amendments that they deem to be in the best interest of the course and to cancel the course if insufficient registrations are received a week before course commencement date.

b) CERTIFICATE OF ATTENDANCE will be awarded at the end of the course.

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Financial Modelling Made Easy Methodology in conducting Feasibility Studies

Please tick (✓) where appropriate.

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YES ! I would like to register the following participants

Name 1 : _____

Job Title : _____

Name 2 : _____

Job Title : _____

COMPANY INFORMATION

Company : _____

Address : _____

Town : _____

State : _____

Tel : _____ Fax : _____

AUTHORISED Signatory (*This registration is invalid without signature from an authorised officer)

Name : _____

Job Title : _____

Tel : _____ Fax : _____

Signature : _____